AUG 1987 FONZ tour to Brasil Scott undbergh + Brasilia + howler Visit Emas Pk * Tres Machos/ 2° Agria Incounter at PdA

re: chech lest for DA Scott - M de L. 1985 Brooke Endangered aurfanne of SE Brucil: à réport on The BOU/WWF Exped itsons of 1980/81 and 1981/82 ICBP Tech Rublan Int! Wildle. Res. Slimbiridge Glouteoth sho GL2 7BX nysterieb writer Dance re: Navaho + Hopi Death

Brazil Hour 16 aug 87

HONZ BUSH BULL 16 Cing 87 Hight Mumer to Ane four of US. blichs on the Alght of Russel It augentine Will interest in is sulvador. 11082 Ougnate from NVC brattanta,

the second of th

It takes mo about I ha to get Mu-Manue 2 cals to the Belen Holton, arrive (a) 0500 km Organise with welt Underson for meeting at 12 noon for lunch and talk. McCt eventually

Bull Otherall Darell Pasey Museu Goëldui Bllm Both Bull + Daryll are en to mologists horned andhropelogues W/ interest in how the ondiano Cipel with proper They are just about

Exhibit in Museum Goeldri on Ardian Fenerroyment

We arrive Belem © 0330 hrs. Get ont of Customs after © one hour. They go thin every bag + bassle people about comeras ex.

To Hilton Hotel @ 0500 hrs. Streets empiringly empty during drive from aurport. Aleep until 1000 to meet Well anderson The tour leader @ 11'5 hrs.

Descuss tons plans +

Lunch (buffel) at H/lon +
most Bill Otheral who
ivorles al Museu Goldie
(Q 11 fers)
Murried to Brigilian.

holt from Stanwood WAlives in Eugene, BS Wash State MS Unio az Tucson Started & nearly finished PhD at U. Mich. with Boll-low; Dick alexander; Robert Payne. Walt writes, paints, photographs.

Drøntation session by Walt & Bill after lunch & get to Muslu Goldie by 1530 hrs.

at Museu - 200 with manakee (not seen)

- 2) Podochomus 3) lots of juguer (donated)
- 4) black spider morberp (pamsous)

- 5) harpry eagle
- 6) Wilture with orange of black + white markings on tend of large gular such was brood patch area.
- Delive + yellow moraco byancith maraco fittle educational material but Bill suggests hort The 300 9515ts for education.

We recewed special previous of The new Indian Perhibition That is to open 39 Angust.

Exhibit concentrates on Indian contributions; prehistory; agricultural proetices; deforestation; Indian plight in modern world,

neely land out eshibit.

Adhel return until 5:30 Py,

Denner at Curcular Militaire; old fort Furned into restainment right on the river 8/18/87

0645 Market w/ Brll
OtherallCashews - fruit with nut
Ettached

Brasil nuts-trees chappens,
because surrounding forests?

cut o Current crop 15% of
cuts and Manioc - some

Cassava Manioc - some

toxic (bitter manioc

contains residuels of

prissic acid) (recently

noted cases of poisoning in

hospital & in Cipica, but

none in Brasil)

Citrus fruits - mainly from China

Mango- found in Inelia distributed thru world by? Avocado-authored in carribbean,

Minurgi - small fruit From wh/ They make Junce.

Bixa oreblana

achiele - red porda

paint !

insecticide

Acul galminsed for everything; fruit; stems; trunks; leaves.

Kay Marcer gets her Camera Instruded on the way to The market, The Februs love Their bags, after leaving Them outside The room, he left his broces in The By 10:30 AM everyone demoralized + bight/flight regionals sourcel. on plane + . I find Four leader for French group who has 2 extra hogo - ques

Christoph

Marie The

Hrdina

Re ontfitters from

Brasilia "Safari Tours

Fic."

BNP - Bird list, prima scatol scaled dove pigeons (plymbeons) Streamer Hyrant wood pecker red manufelin red hank violacion Richaria block wilkurs brat tilled f burnish buff fanager White lined fanager

Into Brasilia N.P.

with Christoph Hodina
Meet Scott findbergh
and take walk thru

part of park. Humidity
230% and it hasn't

rained in 6 weeks,

Scott still living wi Raynal. Imo. old daughter Firsh.

bundbergh recomply spent of 2 weeks in t around Una W/ Suturnino lostling for curryonglas. Saw 7

groups rowellap Colons + on ateline -looking emmal. IBDF work a longer survey of 3 mas on more. Scott thealso They mot decide in basic policy re: purho & reserves, i.el Whether to have longe luongh areas or to menager arous intensively. Scall writing report for hundbergh also drowned his howen work. Gastel The agreed 16 seek at the Brasilia Primate meetings)

He had transplanted 2 groups of Semina. Free-vening howlers (A. Caraya) from his home in Southern France. Also ranslocated 2 groups u/m brazil all into B.N.P. Shipped 17 howles to brazil. First release a problem because he tried to keep the animals in one place. or get nervous, lose confedence, 4 that to the perse. Whole morp tried to move. Re held them back.

He supplemented with took for a bort as month, infigent problem was Something Wh dissout occur in France. Tenperate bears require tever dependes Pham nopical ones that have Aumerous toxins). host total of 5/17 released semi-freeranging horlers. Started out using. radiotelemetry; Then gave up & spoto men from plane. mento releasing mem in Brasilia NP wasn't Bellest when but RAMIN. organited it.

Other de cussions w/
hndbergh - very politically
as inte, somewhat wry cynical
attitude Arwards politics.
Well-read; bright -

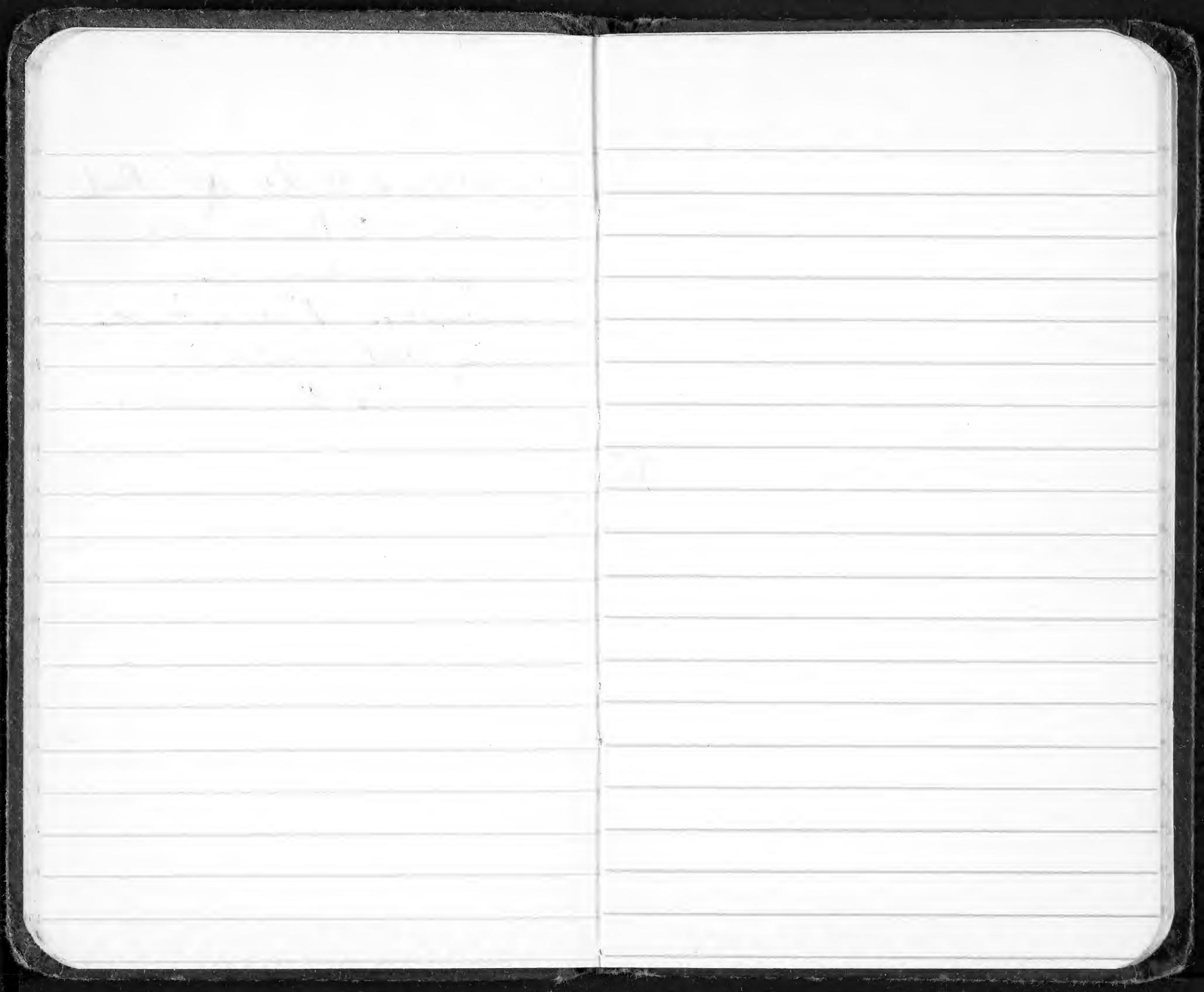
luring well we see variety of birds. Itad difficult time getting in because Christoph Somewhat tarassed by 180F officials He said That wanders ere always become very various when here is a Change in jort.

Carlos Botelho State Park.

Near São Poulo urta

large numbers of
murigui. Maria Tereza.

sail rat Sandra:
estimated 800 animalo.



Hydrochoerus with groups
Blastocerus O.3 solo 8/19/87-Colono apolla 26 Cupybara 3 group all w/ 1/2 grown 3 songle marshallog agrich' crocodylno jacare

numerous single or cipybores nem cannon pools.

8/19/87 upearly, had 1/2 pom swim Hotel Carlon, Brasilia. To aurport for 10:30 Hight to Cuaba. Picked up bus in Curaba + drove most of The rest of The day to Hotel Sansta Rosa do Pentanal. Carrived finally @ 2100 hras Unring trip we periodically amerged from bono. * worlked. Saw Jaribon; wood j magnerie storko. Rutons necked tign heron Bluck capped night Snowy egret Swannah hawko

Blueh rechal hard green Wis bare mechal ibro 3 Sp. Kingboken 3-4 sp. heron / some Spoonbullo caracara area rear road. excellent builing because of road - Wedg raising road in resulting in standing H20. after dusk, little seen except carman, right jar enpy bara, my 4t heron. at dusk we saw 3 single marsh cleer.

Hydrochoerso: Mainly single of Cebus spellas troop of 5-6 8/20/87 11 Up @ 0700 for a men. BhSt I 0900 -Cold shower, Out in how for board four. san loss of herons, Spoonball will broken was, Chiman, lots of capybasa (mastly single tono), RioSão Laurenzo. after lunch boat trip down the until ex boat broke down you decided to go back. Lots of andinger, Colonizans ore tropp of about of 5-6 Cebrus exella near banch The banks are full

Tholes - Jerrely Carge armags, talled nel burda o Galley frest not very tall. some fermite mounds out there . ~ 20-30 70, of nees reen to be decidence. Leverel are flowering, Will Ander Son, Incellent returalist of geother.

8/21/87 Most of the Pantonal region has been developed + high burd lefe existo because. of standing water rext to taised roads. Kegured 89 budges from Cinaba to hotel (Santa Roga do Pentanal) and about a 6 hour drive. He budges are in various states of desneparr.

Blastocerus dichotpmus-4.7 6 0.2.1 8/21 Hydrochsens hydro: Total 17 0530-0630 -0700 dur grown 24 SHEETEN 22 destr 1.00 2 4 marsh der 33 Capybara 3,6,3, Capybala Total =17 rhea - 5 hymcinth macaut In morning started ont @ 0400 hro for

In morning started ont @ 0400 hrs for Cuiata - Sawabove fauna.

1.0.1 : 030 tocerno be 30 articus Coneparus semistriario - 1 0.1.3: mymmecophaga midactyla 030tocerno- 11.12.2 0730-1000 Cerdocyon Thons - 1 0700 - Felix 0:0.1 swamp aller-1 Emax director Sr, Melheiros Total marsh 0.2. Total supdeer 4.9.1 alter denner - skunk By an to Campo Grande 22 187 0730 pr bou faced curasurs mall Hircraft to Emas Arre 1e: 1500 ho. 3 rheas ; Leer ; serien serve out to capytano 1.0 deer 2.1 (pampas) 3 + Imfant 0752 II jampas deer anteater os 0.1.3 nest of blue + yellow 2 panges deer 1.0.1 Antester tracks black cat. (young jaguara Serrema pretas

Oil deer tramon (red wruged) Oil den 1,2" 1.0 1.0 0.1 Q.2.J most of in velvet 1.1.1 0-1.7 0401 - 0.0.1 CEF Deer all in recently burned tirebreak

Pampao myrmecophaga - 1 DEER 10:15 ms, Return 0.1.5 to holy ries B#5 412 0.4. 0.1 3.0 - 1.3.1 2.2', 0.2 10:15-1200hrs Ozotocereus 10.15.2 Hoove deer Count petween 10:15-1100ks during returnto bladquartes.

first Antewer

forses by holgiters

foraging of 3 rheas

nearby · Several

pampha deer

also present on

area why was burnt

and which now her her some

Ozo to cares - 5.11.1
myrmecophaga - 0.3.7

1500-1900

1500 hrs cler

1.0

0.2. I

(9+12 day old favn)
rear house.

0.01 unteater

0.01 anteater

Och dell 2.0 deer

Och & anteater

Och der

Och der

Och anteater

Och i anteater

in Emis
Torotorium

yellow fored Amizon.

los of perns

1730 anteater 1742 1800 0.2 doer 1.0,0 1815 anderter Octol got when by text 1830 0:2 deen Keturn to headquark skunk - black w/ white tail There were 6-7 people of in 10-15 ft of 2 antester -

young riding for 715 while

she foraged + fed. She only bolked after getting @ 6-79 Emros Perk with

8/22/87 20:10 hro- Emes Park ducetor talk - Sn. Melherras Fredrig dead anendo on road because fonce wimoufficient to hold in harmal eg, formel grant armadello 4 tapir un road. Inging to 1 park 81 ze to include herdwaters of revers to protect watershed.

from me.

Neighboring agricultural land using considerable insecticale who rivers. Emas has mymnt plan from 1978.

Frebreaks are only part of plan while his been accomplished.

Have had huge fires in 1475 - In 1978 it frage 4 than burraed (August).

There is disagreement.

Nes what to do w/
a fire cycle.

In 1985, fire was set Towned most of parks angust worst month.

And 4 dead Myrmeoph after 1985 fire.

and new grass come in & + suddenly They found 13.1 pampas deer dead. Never found out The cause of The deaths.

For Syears, Rey havent had a single visitor from Brusslia. The delegado is from Goiana. Emas staff, sinde it Director, technician to 7 guard.

Built @ 400 km of frie breaks last July.

Had machine from one place; depended on dresel from cleenthere.

Still need to do @ 35% of the work. Getting diesel locally.

Trying to increase the size of the purh,

to get the watershed. which ~ 11 miles × 25 mi annual budget for park Later Walt + Cristoph upset That groughant offerred donations to belppincherse full & & inducate Hat Del mention it. On any case, it came up spontoner And individuals pledged a certain ant.

Notes on Emas.

Saw numerous deer,
hear newly grown
gass by the firebreaks.

Two major rivers within
park (R. Jacuba +
Ris Formosa) Galley

park (R. Jacuba +
Ris Formosa) Galley

frest in lots of oxlea

respected to one bunk.

Frest said to have howlers,

Cebus, tapir.

Saw lots of plecary sign

+ tracks of maned

Monmal seen were

skient cat, anteater, earling fox.

The black cat seen on
The first hight
Christoph + The Durector
Said was a young

faguarondi + Mail
Something similar had been
Seen by a listelobo

Yeam.

The cerrale differs considerably across The oreas.

Some areas w/ termite mounds as common as in cemetaries.

Mounds rad in red toiles ones. Grey mulands, Teas tall gross m certain lon lando areas marsher, Lots of pelms in certain are o that grow afout 3-4' tall + have Then fruits on The ground. The parahelp go in pairs. The Honogons in gronps. Seriemas in pairs or trios; curassona in pairs.
Burrowry onle sit on termite moundo.

Several grant anteaters
with young riding,
although one g.a. with young
by her
Season?
Season?

Mall pampas deer with velvet. are they that seasonal? One I with small rearly newborn gown.

030 to carps - 1"1
Tapirus - 1
Aunulau 223/87

0700 hrs Game drive
0819 " 2 rhea +

111 pampas deer
on private land
at Eastern border

My park.

450,000 veres

200000 hr.

D846 Tapin at cast
boder of parle. Only
3rd tapin seen by
Cristoph, Walt had
never seen one there.
We saw fapir tracks.
before seeing The tapers

Hight back to Campo Grande @ 11:00 AM. L'note: Campo bronde is one hr. earlier Man Emas/Ignagu + rest of Brasil. Some peatures of landocape Major agriculture is

Mojor agriculture is somybeans + cattle. To somybeans + cattle. To clear the land, they cut + pile the wood in long rows which then burn, guring the land a strip-like, look from the air. Other field involve lots of contours.

We fly over areas called memos, also formel in The U.S., which are circular humps in the ground that one grute kigh, giving the ground a smelt-poxed look from the air. They are restrated moreon and may be in weller regions. Walt says Ret Dered been a recent article in natural history suggesting That gaphers dug there up pre-historically in the U.S. But lettle evidence

We fly Compo Granle to 800 Paulo to 10 Janagu arrivers of guaren a 2100 hrs. Along Hay at the Hokel Ideo Cararatao within I quacus park, a grand old colonial - type hotel. farge ownshing pool Khoas in beck yard. Loto of landscapen and basically right y

Hotel so huge!

monday 8/24/87 Up early to walk to Fallo with walt. Jots of walk is down hill + There is pathway machielle ui re mille og Foz de degua cu means confluence 18 Agnazu Rwer with second K

Falls are beautiful".

unpressive and Parh

seems well kept up.

We and input small ones leading to track into the woodswitzs
lots of futterflies around.

back to hotelulone via thail behind hotel.

Sandsome birds, but generally great Thomas No memorals.

Had Cnormons byffel lunch by Swimming pool, preceded by

15 som mlerge, but preezing pool.

hurch was churas co with 1015 of saladst beer.

Abelt Ashansked but Christoph had arranged a boxtride & walk for the P.M.

De forest & ended up taking a boat rile to a rock out orgo in De river That ficed The Falls downstream. Over some rapidosfirsor

at lovely site

Paraná + Iguaque confluence. Border og Paraguay + Angenting.

Dat De had no dinner.

Tues 8/25/87

De valled mi Agnaçu Bork for about I hour in he A.M.

Saw 10% of brids, but too manual. Walt Thought we might see some howlers or Cebro.

Their prece 27 forest,
but w/ some preces 27

2nd grash or scriffy 100ling forest.

The Joseph Clumb

Janaen -> São Panto Very late arrival Wed 8/26/87

Lip early & vrated

CPRT-

trassiratti & Roberto
Hook us around. The
library seemed smaller
but reprints were separately
organized.

Rice Skin / Skull

collectron.

Several chrysomelas/

chrysopygno (or rosalia)

hybrids.

hppurently Phry

hael survivel + lyen

bred allo all young This The hybrids are regroductively vrable.

The murigini cage is 8151/

Den have an excess
of Kuhlii + C. geoffrom.
Most cago full.

Jan Sagurnio breden breden + martinsii

then drive to Casimiro de Abren after Churasco hunch at Pureda Madela, a not so bed land.

Checked mat tagenda Hotel in Casmino & eventeally Jim London, January Undy + Mike Power showed up for

Degove a spel - Q coordinally west back to PelA water hom. We stayed yo till@

11-mande making

wore decisions than

Inisted off bottle of white wine.

mond on

Jhurs
8/27/87 Ran m. AM
along road. Felt
spert.

Met group at 0830 at
guard house. At the
Juni decided on tour
ord Kerenve, ending up
at claim. That fashed
KIL @ 10:30 + we
returned to area now
entrance to Carlos area.

Record explaned a radio Helemetry +
we started up road to
split up + find 2

separate grongo. Found Carlos group right by side of road. Andy + & + Sutherlands of Febro went in to found The Maches I has were in almost identical postion as They were just you When Millingon & H vailed. The worklass for 15-20' - My Started long calling a eventually moved into

an encounter with Segundo Agua. almost whatical to last year, again. a subadult od moved into area with apposing group. We in huddling group. Rasped pequently, was smet in movements. woved down hillside towards 2nd agua + Then There was clear interaction between 3 juvendes 6-8 mos old of opposing groups.

Again On struck

by lack of conflict;

and deple to whi

annuals know each

other + arent

bothered.

De 12:30 we return.

for bunch at

headquarks.

de talk wy ardy

while Louden does

her Educ. Spiel.

In 1.1. ve walk un the Coline. Detree Frank Bet have marked be trail for biology teacher & students. See bromeliado; decamp. pranglers: tuttless poets. etc.

Take group to new visitor

head growsters for

T- shirts. And

Den Dad back to

Reserve - See Cerdoupon

on way back.

Talk wy fin + Mike +

Andy + Housenz

re: O Reintrood, animals

© Small mammals

Ectopularités
Dienness sondy of
seeds + germination
from possums + rodents

Don't have denne till late became it takes so long to organize every ones showers.

Present one from Let, Dionisio, Beth Laurenz, Anely, Mike P. Det Cebelle, Zigne + en intern named Christia. 8/28/87 Friday
Next AM, meet

group at PUN Visitor
Center to pick up
T-shirps . Then ->
Ris.

In P.M. Wall & D.

go to Kosmas for

calendaro + Dan tani
to see Combon in PM,

Combra has had double

by-pass surgery in mid
Jime + should be flaceful,

Except for being somewhat

slow moving he is as.

flesty as ever.

Walt had parnted him a GLT - That he likedy but he had to point out hat he peet r nose were wrong.

Combra talked about all the had discovered for ever. Every new (or old) funding in primito/ogy, he seems to be taking credit for.

And he keeps referring to old papers that het publiced. Busically he seems tired only limit

3toll feeling as I ho he's unapprecialed. Wolt & & have coffee + combread, see pretures of his grandchild (son-neto), congrat. him Jagneline on Der wedding anniversary 33 yans. Men Ceave. Dennes for De group is organized for on Indian restaurant called he RajMahal vun by an English friend of Walts We have the group + margaret + Overille mee, and a woman named

anne Phellips who Lord Jim in Spanema. ~ 2 b/ks toward Coprealiance from the Rio Marina Hotel. The new, soperally magazent, were fisquesting. She has a beautifully expressive face + w powerful personality. Very bridsh, groceful + elegont. Denner wood great success with Carpentalos, une, + good food

8/29/87 Jat: Roman te An but started ont by Irchanging my constip. For durrher. Off to Tipuen Park in all by bus. Stopped at Emperoro Pience Inblet I han the Change View. at the latter, the work Jamely of common marriages visible, but I hadn't brought either my camera our my binocs. forest that 10000 like grimary

Don 90 Jarden Botanco V walled around. De Jarden also had 2-3 common marmosat group as well so tragers; fly catchers, « 80 me otta birds hat me Small + hard to spot; Pretty walk. The Jandim bucks onto her your to Contiguous with it, having trulo in the

Buck to the hotel + bunch at a health tood buffet in Teblon near the Hotel. Men De Sutterlando of your to used Murgaret mee. They have on a hellerde m a narrow tell chonce in Sta Peresa. Beautiful 50 you old honself owned & built onesmally by a tortuquese woman who built it wo los of The Mees give us

we ear purchase

Brek 10 Kotel by

4 PM to puch,

check ont,

go 70 air port to

eat / draid / sleep/

write/ until

11: 15 take off.

Recollections of Lebetats
exe.

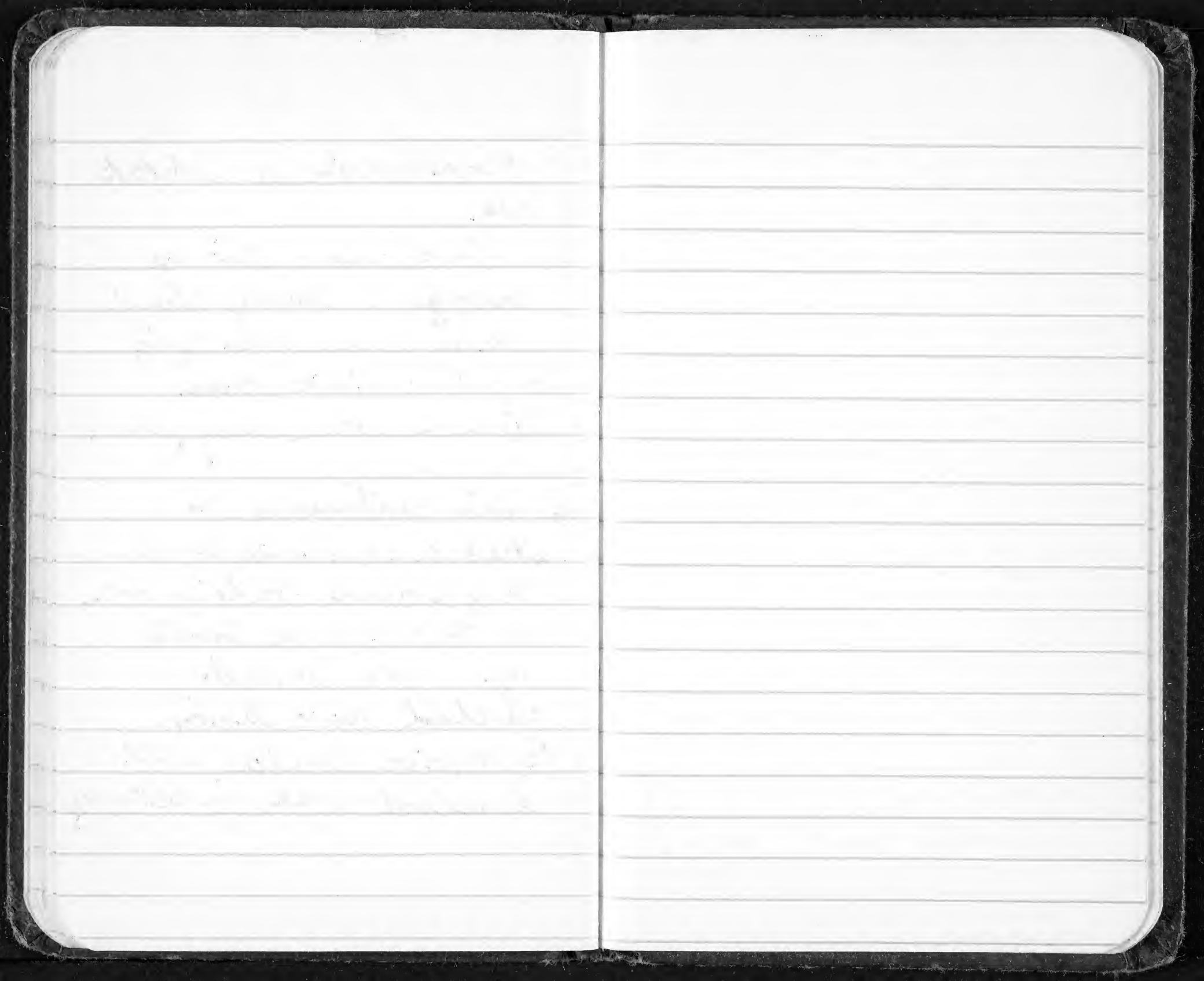
(1) Never seen Rio so

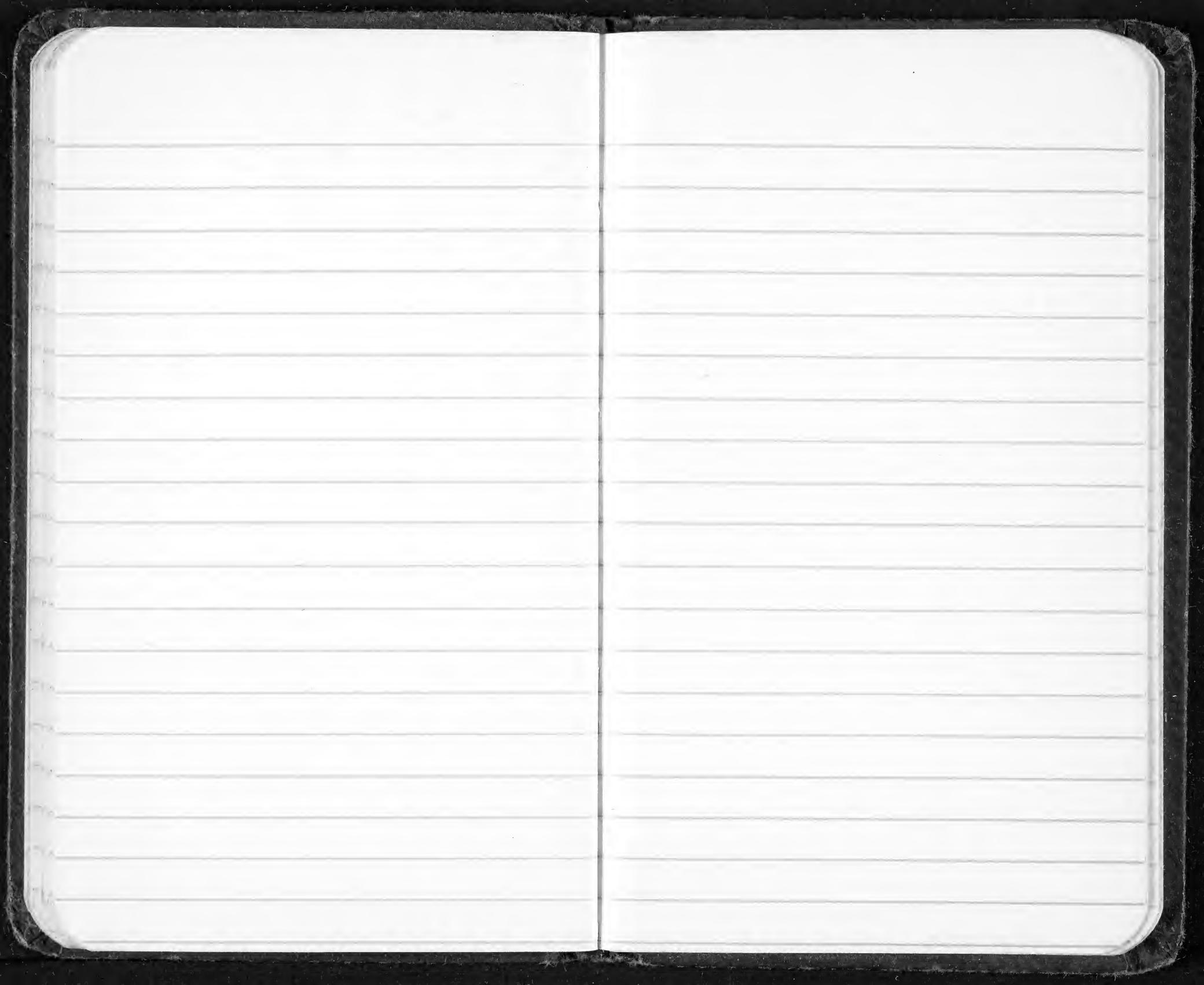
Snroggy. Henry cloud/
staveg cover over city

so That views from

Tipuea were very poor.

(2) Rio critinies to
stretch sonth w/ huge
thigh rises taking over
on beach area sonth,
of são Conraelo,
called Novo Jeblon.
Capensive Condos with
dereliet area in between





(13) Louanno Nayes Fellowship appl. (a) It necessary to Cut \$; cut of matching funds for course ~ 515,000, (b) Then cut one scholars hip. (c) If we need to send full proposal, Olh + Lynn need 40 Aleshort section on 5 cholarship. And just use woulf text

sondalle Son work

(14) Choch Margares

MEE'S

Ashibition - dropher

Thank you note

Escheck on FAZ Contibo. to CPRJ+-Rebio PdA.

(So) write letter to
Diminio astrois @
8 rap-trapping + Idestificans
of small monns:
Uncel previous
Detter to contact

2) Compa wordel be willing to send US C-geothory, to C. kuhlie \$¹

New Telonicis = 22 Wildleffe Hat. = 12. 22 on annels Wed 70 operationals JMD has 6000 Dale needs 3000-4000 for transmitters

Can we do At any Ming Wood.
Wildliff Muserulo,
prinsphillers BPA? But Rock 12 Telonics -Reintroduced +
Trans

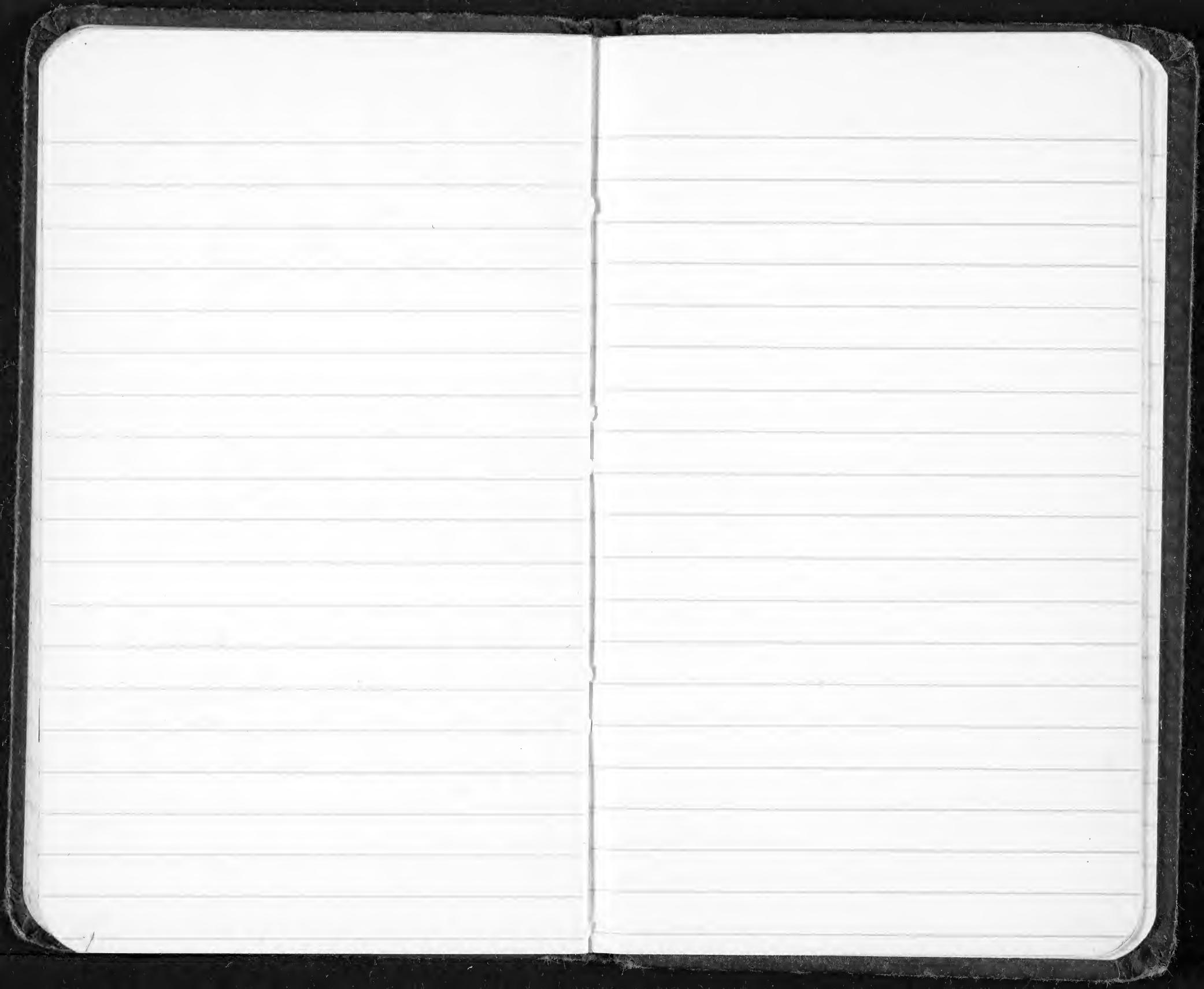
get now 5

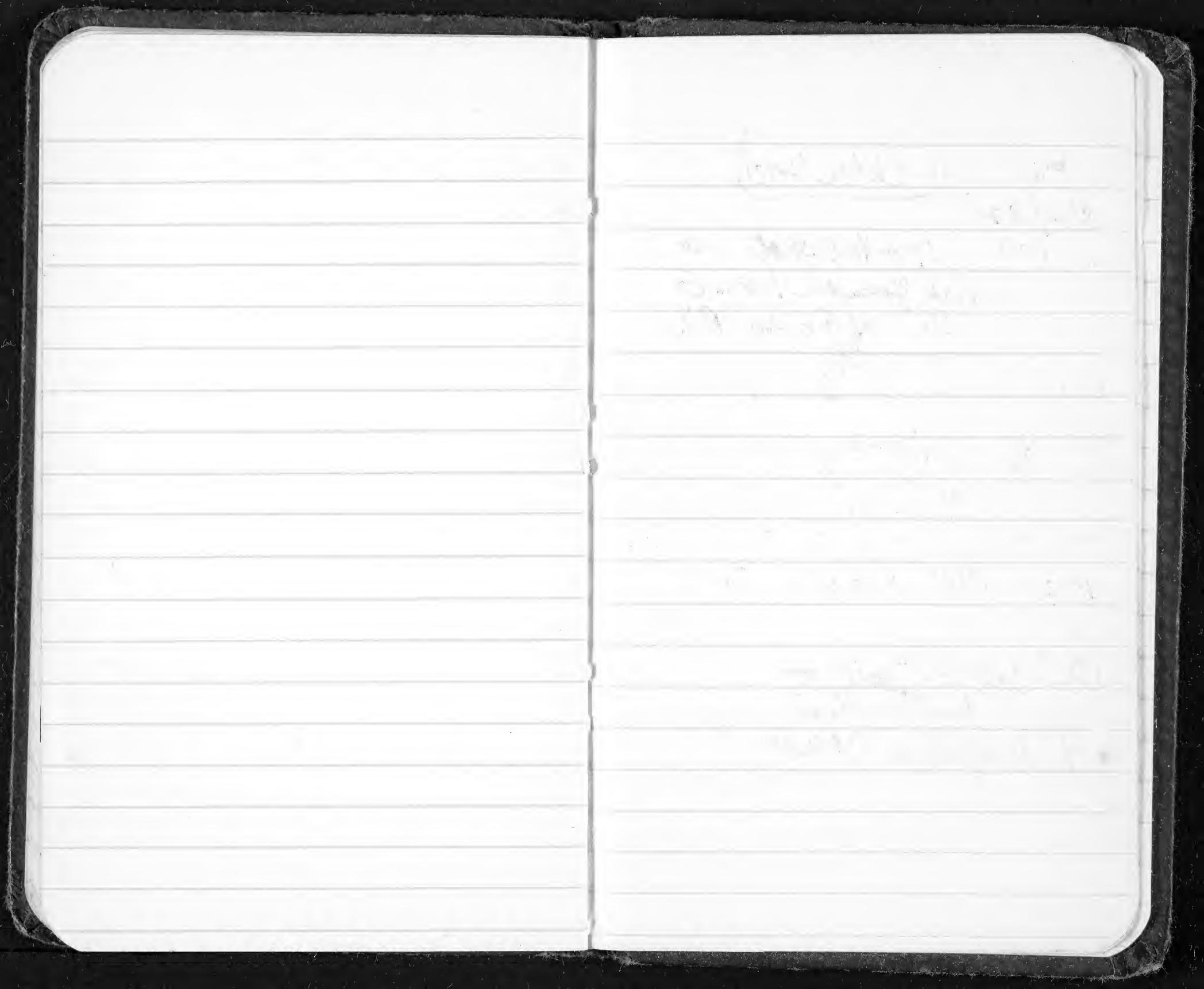
Reintroduce d = 8

(b) 1ESP budget Dreed \$ 9,000 For Toyota (b) # for Andy's Most lakerer. Riverbands: cull 97 funcoln: chech diaphragm. hernis: barum / good X-rays.

Norma + Some want pardos, lippostible. Check on Andy 5 AJPs & Amin, Ochaws. 19) Delle to bring back or send & for Dunisio + CPRJ from FONZ Recommend Culling Reverbanho Cull other Ef for hormone/behows shrdies.

Atis De COST hold for Junis 3) Dall carring 6 transmitted back for -farmly to as returnoderecel For Beck, Lenema + Norma Want





#6 ABA Eleta 200) 8/23/87 1-3 Haptat Shot -> Ris Jacusa From 6 8'de of Emas Ph. 24-8-87 Ignagn 4-36 Ignaçu + Mous #7 ASA Kadach, 200 2) Cat (?) shit &builter fluis
(4) argunne Coast

#5 ASA 64 8/22/87 0-2 Pampus dear & 4-5 Letter of the state of the stat 9-14 Merel wolf tracks 14-21 brant antealer & 150-0 hrs.

22-25 crested curassow 26-30 9 pomper doer galley forest tam

44 151-200 JAN KARA 1-6 Capys. 6-7 Brakonde 16 capped heron w/ plenne 17 inty headed wood rail 18-14 filter 20 misty high her on 8/22. Comos surrese # 27 Curason Dones 23-25 Emis junise 28-29 Emas river 30-32 Paryas derry

screamer tailed fyrmit 8 9 47 67 green von 4-5 great blech rawk 8 carmon 4 junkadel + caman 10-11 Sectiona 12-13 snowy lgret 14-16 jabiru stork 8 20 25 Hower 26 capybara 23 magnanie stork/ capy. 28-35 capyoner

8/18/87 Belem market. 0700-#12-33 including: birds for sale S. Procecollos for sale brudypus for sale (3-toed) fish market molliderig crubs; armoved catfish; cathish embryos; plants; fruits;

#2 Roll # 2) 200 ASA Elita Ang 87 #1-26 Grant Ponda Museu Goellie Belon Podochemis cage. 30-24 Grisun in zvo.

Emas \$ 40 annotoff / Funathua Margaret \$30 Mel \$25 Lent Sulands President & 100 - President & 40 and \$\$/0 for cabo. / armadillo

Remember WWF Long-Range
Planning Pocument

for Brazel; incl.

Pantanal/Cerrado/Caatriga

Armazon

Attantic Coastal Rain fore,

7530-00-222-0078 FEDERAL SUPPLY SERVICE